



TECHNICAL INFORMATION

SAFETY REMINDER SPROCKET INSTALLATION

Follow all safety policies and requirements of federal, state and local authorities, as well as the regulation of the employer, when working on power equipment. Always lock out the power source to the machinery before performing any work.

PREPARATION

OBJECTIVE: Verify that all necessary tools and parts are available and ready for installation.

1. Eagle Pd™ belts and sprockets from Goodyear are identified with a unique Color Spectrum System. The seven colors used for identification are: Yellow, White, Purple, Blue, Green, Orange, and Red. Each color represents a different size so that Blue belts are made to operate with Blue sprockets. Make sure the same color belt and sprockets have been obtained. When installing Whitehawk Pd™ and Blackhawk Pd™, it is also important that the correct sprocket width is used.
2. The following tools are recommended for proper belt and sprocket installation.
 - A straight edge
 - A tape measure
 - Socket and open-end wrenches
 - A file and sandpaper
 - A torque wrench
 - A clean cloth
 - A belt tension gauge
 - Deflection force values for tensioning the belt
3. Make sure the components are ready for installation. Clean all shafts, removing any nicks or burrs. Clean all mating surfaces of the sprocket, bushing, and shaft. No lubrication or anti-sieze solution should be used on any of these surfaces, including threaded holes. Use of lubrication can create higher torque, which will cause premature failure.
4. Make sure the shafts are true and parallel by accurately measuring the distance between the shafts at three points along the shaft. The distance between the shafts should be the same at all three points as shown. Also make sure the shafts are rigidly mounted. Shafts should not deflect when the belt is tensioned.

SPROCKET AND BUSHING INSTALLATION

OBJECTIVE: Align the sprockets and secure them to the shafts.

1. Goodyear recommends that the bushing flange be installed facing outward in order to minimize bearing load and increase bearing life.
2. Insert bushing into the sprocket, aligning the drilled holes in the bushing flange with the tapped holes in the sprocket hub.
3. Insert capscrews through the drilled holes and into the tapped holes.
4. Insert the key into the keyseat of the shaft.

